

C-745-K Cylinder Storage Yard

The C-745-K Cylinder Storage yard is located in the southeast quadrant of the plant immediately west of the C-745-L cylinder storage yard. The C-745-K cylinder storage yard borders 13th Street and C-745-M cylinder storage yard to the west, 14th Street to the east, Alaska Avenue to the south and a gravel service drive to the north. The cylinder storage yard is separated into two sections (north and south) by Alabama Avenue. The north section consist of a gravel cylinder storage area of approximately 121,000 square feet and the southern section consist of a gravel cylinder storage area of approximately 63,000 square feet. The northern section of the cylinder storage yard can be accessed from the north, south, east and west sides. The southern section of the yard can be accessed from the north and east sides. Remaining cylinder rows in this yard run south to north with cylinder positions running east to west.

The northern section of the yard has a sub-surface system of 4-inch perforated piping to collect storm water (see Fig. 7). The piping is arranged in a zigzag pattern across the yard and water flows to the west and empties into a drain line. The drain line begins at the north end of the yard as an 18-inch line. The line increases to a 24-inch line and then to a 30-inch line as it runs southward along the western side of the yard. At Alabama Avenue it connects to the main drain line which drains storm water west and ultimately discharges to KPDES Outfall 017. The southern section of the yard has a similar system that drains water into a 12-inch drain line. This line runs north and increases to a 15-inch line where at Alabama Avenue it empties into the main drain line which ultimately discharges to KPDES Outfall 017.



Figure 7, View of C-745-K from the Southeast corner looking Northwest.

The electrical systems in the C-745-K, L and M cylinder storage yards are currently under transition due to recent construction for upgrading the C-745-L (North) cylinder storage yard to a concrete surface. The security lighting for the construction of K, L, and M cylinder storage yards is

distributed from a lighting power panel located in the northeast corner of the southern section of C-745-K cylinder storage yard. The circuit for the new power panel is supplied from a 112.kVA pad-mount transformer located adjacent to the new power panel. The 13.8 kV feeder in that area supplies the new transformer. Security lighting for C-745-L (North) is complete and three lights in C-745-M and C-745-K (South) along Alabama Avenue are installed. Three existing security lights that remain for C-745-K (North) are supplied from a series lighting transformer fed from the 2400V circuit. Eight existing security lights that remain for the C-745-M cylinder storage yard and C-745-K (South) cylinder storage yard are supplied from a 2400/480V lighting transformer that is fed from the 2400V circuit.